

What is claimed is:

1. A snow vehicle comprising:
 - a vehicle body having a front part;
 - 5 an engine hood provided at the front part of said vehicle body;
 - an engine room formed under or below said engine hood;
 - a four-cycle engine accommodated in said engine
 - 10 room;
 - a supercharger disposed in said engine room at a location forward of said four-cycle engine;
 - an intercooler for cooling air supplied from said supercharger to said four-cycle engine;
 - 15 a first air inlet port formed through said engine hood, for taking in air for cooling said supercharger; and
 - a second air inlet port formed through said engine hood separately from said first air inlet port, for
 - 20 taking in air for cooling said intercooler.
2. A snow vehicle as claimed in claim 1, further comprising a guide for guiding the air taken in through said second air inlet port to said intercooler.
3. A snow vehicle as claimed in claim 2, wherein
- 25 at least part of said guide is formed integrally with said engine hood.
4. A snow vehicle as claimed in claim 1, further comprising a partition, and
- wherein a first air flow path formed through said
- 30 engine room such that the air taken in through said first air inlet port flows therein and a second air flow path formed through said engine room such that the air taken in through said second air inlet port flows therein are substantially partitioned by said partition.
- 35 5. A snow vehicle as claimed in claim 1, further

comprising a first air exhaust port for exhausting mainly the air taken in through said first air inlet port, and a second air exhaust port for exhausting mainly the air taken in through said second air inlet port, and wherein
5 said engine room has a rear end, and said first air exhaust port and said second air exhaust port are disposed separately from each other at or in a vicinity of the rear end of said engine room.

6. A snow vehicle as claimed in claim 5, wherein
10 said vehicle body has left and right sides opposite to each other in a transverse direction thereof, and

the snow vehicle further comprising left and right running boards disposed at said left and right sides of said vehicle body, respectively, and

15 wherein said first and second air exhaust ports are directed toward said left and right running boards, respectively, such that air is exhausted through said first and second air exhaust ports toward said left and right running boards, respectively.

20 7. A snow vehicle as claimed in claim 4, wherein said intercooler is held in a position in which said intercooler has a maximum cross-sectional area along a plane perpendicular to said second air flow path.

8. A snow vehicle comprising:
25 a vehicle body having a front part;
an engine hood provided at the front part of said vehicle body;

an engine room formed under or below said engine hood;

30 a four-cycle engine accommodated in said engine room;

a supercharger disposed in said engine room at a location forward of said four-cycle engine;

35 an intercooler for cooling air supplied from said supercharger to said four-cycle engine;

an air flow path-forming mechanism for taking air into said engine room from outside, and forming an air flow path for the taken-in air such that the taken-in air cools said intercooler; and

5 a battery disposed in the air flow path formed by said air flow path-forming mechanism at a location downstream of said intercooler,

 wherein said supercharger is disposed in said engine room at a location outside the air flow path formed by
10 said air flow path-forming mechanism, and the air having cooled said intercooler cools said battery.

 9. A snow vehicle as claimed in claim 8, wherein said engine hood has a front part, said engine room has a rear end, and said air flow path-forming mechanism
15 comprises at least an air inlet port formed through the front part of said engine hood, and an air exhaust port formed in a vicinity of the rear end of said engine room, for exhausting the air having cooled said intercooler and said battery.

20 10. A snow vehicle comprising:

 a vehicle body having a front part, and left and right sides opposite to each other in a transverse direction thereof;

 an engine hood provided at the front part of said
25 vehicle body;

 an engine room formed under or below said engine hood, said engine room having a rear end;

 a four-cycle engine accommodated in said engine room;

30 left and right running boards disposed at said left and right sides of said vehicle body;

 at least one air intake port formed through said engine hood for taking air into said engine room; and

 first and second air exhaust ports provided in a
35 vicinity of the rear end of said engine room, such that

said first and second air exhaust ports are directed toward said left and right running boards, for exhausting air which is taken into said engine room through said air inlet port, whereby the air which is taken into said
5 engine room is exhausted through said first and second air exhaust ports toward said left and right running boards, respectively.